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NOTICE OF ALLOWANCE AND FEE(S) DUE

26890

7590

08/16/2004

JAMES M. STOVER NCR CORPORATION 1700 SOUTH PATTERSON BLVD, WHQ4 DAYTON, OH 45479 EXAMINER

WONG, LESLIE

ART UNIT

PAPER NUMBER

2177

DATE MAILED: 08/16/2004

APPLICATION N	O. FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/864,824	05/24/2001	Kuorong Chiang	9744	2390

TITLE OF INVENTION: METHOD AND SYSTEM FOR INCLUSION HASH JOINS AND EXCLUSION HASH JOINS IN RELATIONAL DATABASES

APPLN. TYPE SMALL ENTITY		ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$0	\$1330	11/16/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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	respondence including the P pelow or directed otherwise	lutant advance and	are and notif	new correspondence addre	quired). Blocks I through 3 sls will be mailed to the current ss; and/or (b) indicating a sepa	rate "FEE ADDRESS" for		
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block I for any change of address)				naners Each additio	Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must			
26890 75	590 08/16/2004			have its own certific	cate of mailing or transmission.			
	TON TERSON BLVD, WH	Q4		I hanabi santific that	Certificate of Mailing or Trans this Fee(s) Transmittal is bein e with sufficient postage for fir fail Stop ISSUE FEE address SPTO (703) 746-4000, on the co	a denosited with the United		
DAYTON, OH 454	+/9					(Depositor's name)		
						(Signature)		
						(Date)		
APPLICATION NO.	FILING DATE	F	IRST NAMED	INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
09/864,824	05/24/2001		Kuorong	Chiang	9744	2390		
TITLE OF INVENTION: M	METHOD AND SYSTEM FO	OR INCLUSION HA	ASH JOINS	AND EXCLUSION HASH	JOINS IN RELATIONAL DAT			
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nonprovisional	NO	\$1330		\$0	\$1330	11/16/2004		
EXAN	MINER	ART UNI	r	CLASS-SUBCLASS				
WONG,	, LESLIE	2177		707-002000				
Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.					
DI EASE NOTE: Unless	n 37 CFR 3.11. Completion	elow, no assignee dof this form is NOT	ata will app a substitute	ear on the patent. If an ass	ignee is identified below, the occurring	document has been filed for		
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4a. The following fee(s) are	enclosed:		Payment of	ree(s): n the amount of the fee(s) is	enclosed			
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☐ Advance Order - # of Copies			The Director is hereby authorized by charge the required fec(s), or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).					
5. Change in Entity Status	s (from status indicated above	e)						
a. Applicant claims SI	MALL ENTITY status. See 3	77 CFR 1.27.	□ b. Applica	ant is not claiming SMALL	ENTITY status. See, e.g., 37 CF	R 1.27(g)(2).		
NOTE: The Issue Fee and I	is requested to apply the Issu Publication Fee (if required) words of the United States Pate	will not be accepted	from anyone	ny) or to re-apply any previous other than the applicant; a	ously paid issue fee to the applic registered attorney or agent; or	ation identified above. the assignee or other party in		
(Authorized Signature)		(Date)						
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FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. APPLICATION NO. FILING DATE 2390 9744 05/24/2001 **Kuorong Chiang** 09/864,824 EXAMINER 08/16/2004 26890 7590 WONG, LESLIE JAMES M. STOVER NCR CORPORATION PAPER NUMBER ART UNIT 1700 SOUTH PATTERSON BLVD, WHQ4

2177
DATE MAILED: 08/16/2004

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 429 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 429 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.